

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

1 28. (Previously Presented) A method for managing data that may be replicated from one or more
2 volumes of data that are part of a first volume group on a first computer system having a first
3 operating system, the method comprising the computer-executed steps of:

4 discovering logical information related to the one or more volumes of data that are part of
5 the first volume group on the first computer system and creating a map of the logical information
6 to physical devices on the first computer system;

7 mounting a duplicate of the one or more volumes of data on a second computer system
8 having a second operating system and using the map to create a second volume group that is
9 substantially identical to the first volume group.

10
11 29. (Previously Presented) The method of claim 28, wherein the first and second operating
12 system are substantially the same and are selected from a group consisting of IBM AIX, Sun
13 Solaris, or HP UX, and the computer-executed steps may be performed substantially independent
14 of which operating system is selected from the group.

15
16 30. (Previously Presented) The method of claim 29, wherein the map is configured as a flat file
17 that is converted into a tree structure and including the step of using the tree structure to verify
18 the accuracy of the information related to the volume group and the other logical information.

19
20 31. (Previously Presented) The method of claim 30, wherein the tree structure is converted back
21 into a map that is sent to a second computer system having a second operating system.

22
23 32. (Previously Presented) The method of claim 31, including the step of building a second
24 volume group on the second computing system that is a substantially a copy of the first volume
25 group on the first computing system.

1 33. (Previously Presented) The method of claim 32, including the steps of:

2 establishing one or more mirrored copies of data that are copies of one or more volumes of data
3 that are part of the first volume group and separating the one or more mirrored copies of data
4 from the respective one or more volumes of data

5
6 34. (Previously Presented) The method of claim 33, including the step of mounting the separated
7 one or more copies of data on the first or second computer system using the second volume
8 group.

9
10 35. (Previously Presented) The method of claim 34, wherein the first and second computer
11 system are combined.

12
13 36. (Previously Presented) The method of claim 34, including the step of:
14 dismounting the separated one or more copies from the second computer system.

15
16 37. (Previously Presented) The method of claim 33, including the step of:
17 backing up the separated one or more copies of data to a backup medium.

18
19 38. (Previously Presented) The method of claim 37, including the step of:
20 restoring one or more volumes of data from the backup medium or from the one or more
21 mirrored copies of data that are copies of the one or more volumes of data.

22
23 39. (Previously Presented) The method of claim 33, wherein the respective one or more volumes
24 of data that are part of a first volume group on the first computer system are further associated
25 with a first software application.

26
27 40. (Previously Presented) The method of claim 39, wherein a second software application is
28 provided on the second computer system and the separated one or more copies of data on the
29 second computer system are associated with the second software application.

1 41. (Previously Presented) The method of claim 40, including the step of:
2 backing up the separated one or more copies of data to a backup medium.

3
4 42. (Previously Presented) The method of claim 41, wherein the second software application has
5 an associated database and the step of backing up the separated one or more copies of data to a
6 backup medium includes backing up the associated database.

7
8 43. (Previously Presented) The method of claim 42, wherein there is a set of information
9 associated with the database, the set of management data including tablespaces, archive logs,
10 redo logs, and control files and at least some of the set of information associated with the
11 database is backed up to the backup medium during the backup step.

12
13 44. (Previously Presented) The method of claim 43, including the step of:
14 restoring from the separated one or more copies of data the respective one or more volumes of
15 data associated with the separated one or more copies of data from the separated one or more
16 copies of data, and wherein at least some of the set of information associated with the database is
17 used during this step.

1 45. (Previously Presented) A computer system for managing data that may be replicated from
2 one or more volumes of data comprising:
3 a data storage system including a plurality of storage devices;
4 a first and second computer system in communication with the data storage system,
5 wherein the first computer system has data that may be replicated from one or more volumes of
6 data that are part of a first volume group on the first computer system that has a first operating
7 system; and
8 computer-executable logic that enables the method steps of:
9 discovering logical information related to the one or more volumes of data that
10 are part of the first volume group on the first computer system and creating a map of the
11 logical information to physical devices on the first computer system; and
12 mounting a duplicate of the data on a second computer system having a second
13 operating system using the map to create a second volume group that is substantially
14 identical to the first volume group.

15
16 46. (Currently Amended) The system of claim 45, wherein the first and second operating system
17 are substantially the same and are selected from a group consisting of IBM AIX, Sun Solaris, or
18 HP UX, and the computer-executed steps may be performed substantially independent of which
19 operating system is selected from the group.

20
21 47. (Previously Presented) The system of claim 46, wherein the map is configured as a flat file
22 that is converted into a tree structure and including the step of using the tree structure to verify
23 the accuracy of the information related to the volume group and the other logical information.

24
25 48. (Previously Presented) The system of claim 47, wherein the tree structure is converted back
26 into a map that is sent to a second computer system having a second operating system.

27
28 49. (Previously Presented) The system of claim 48, including the step of building a second
29 volume group on the second computing system that is a substantially a copy of the first volume
30 group on the first computing system.

1 50. (Previously Presented) The system of claim 49, including the steps of:
2 establishing one or more mirrored copies of data that are copies of one or more volumes
3 of data that are part of a first volume group; and
4 separating the one or more mirrored copies of data from the respective one or more volumes
5 of data.

6
7 51. (Previously Presented) The system of claim 50, including the step of mounting the separated
8 one or more copies of data on the first or second computer system using the second volume
9 group.

10
11 52. (Previously Presented) The system of claim 51, wherein the first and second computer
12 system are combined.

13
14 53. (Previously Presented) The system of claim 51, including the step of:
15 dismounting the separated one or more copies from the second computer system.

16
17 54. (Previously Presented) The system of claim 49, including the step of:
18 backing up the separated one or more copies of data to a backup medium.

19
20 55. (Previously Presented) The system of claim 50, including the step of:
21 restoring one or more volumes of data from the backup medium or from the one or more
22 mirrored copies of data that are copies of the one or more volumes of data.

23
24 56. (Previously Presented) A program product for use with a data storage system having a
25 plurality of storage devices and which is in communication a first and second computer system,
26 the program product being for management of data and being comprised of:
27 computer-executable logic contained on a computer-readable medium and which is
28 configured for causing the following computer-executed steps to occur:

1 establishing one or more mirrored copies of data that are copies of one or more
2 volumes of data that are part of a first volume group on a first computer system having a
3 first operating system;

4 separating the one or more mirrored copies of data from the respective one more
5 volumes of data;

6 discovering logical information related to the one or more volumes of data that
7 are part of the volume group on the first computer system and creating a map of the
8 logical information to physical devices on the first computer system; and

9 mounting a duplicate of the one or more mirrored copies of data on a second computer system
10 having a second operating system using the map to create a second volume group that is
11 substantially identical to the first volume group.